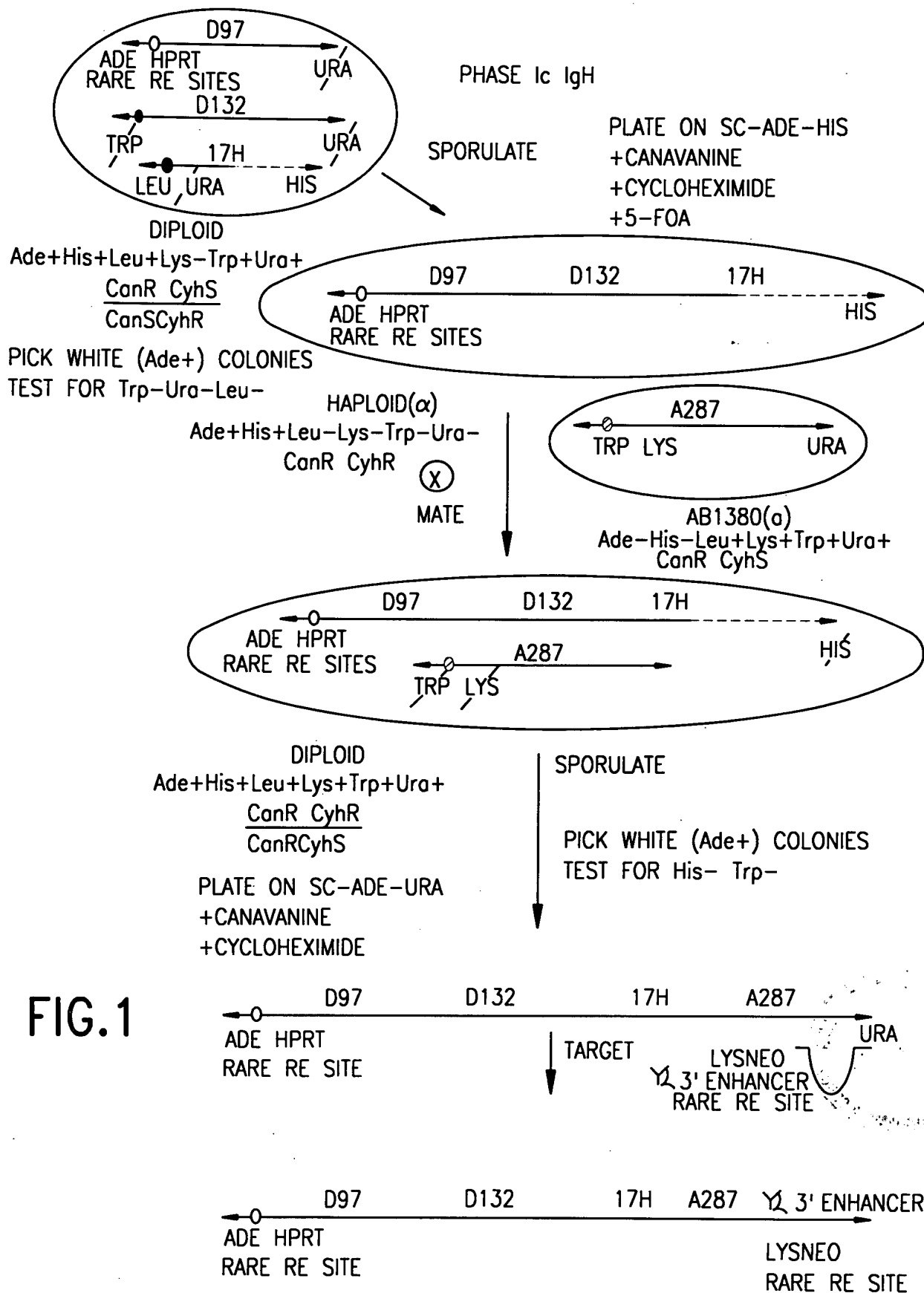


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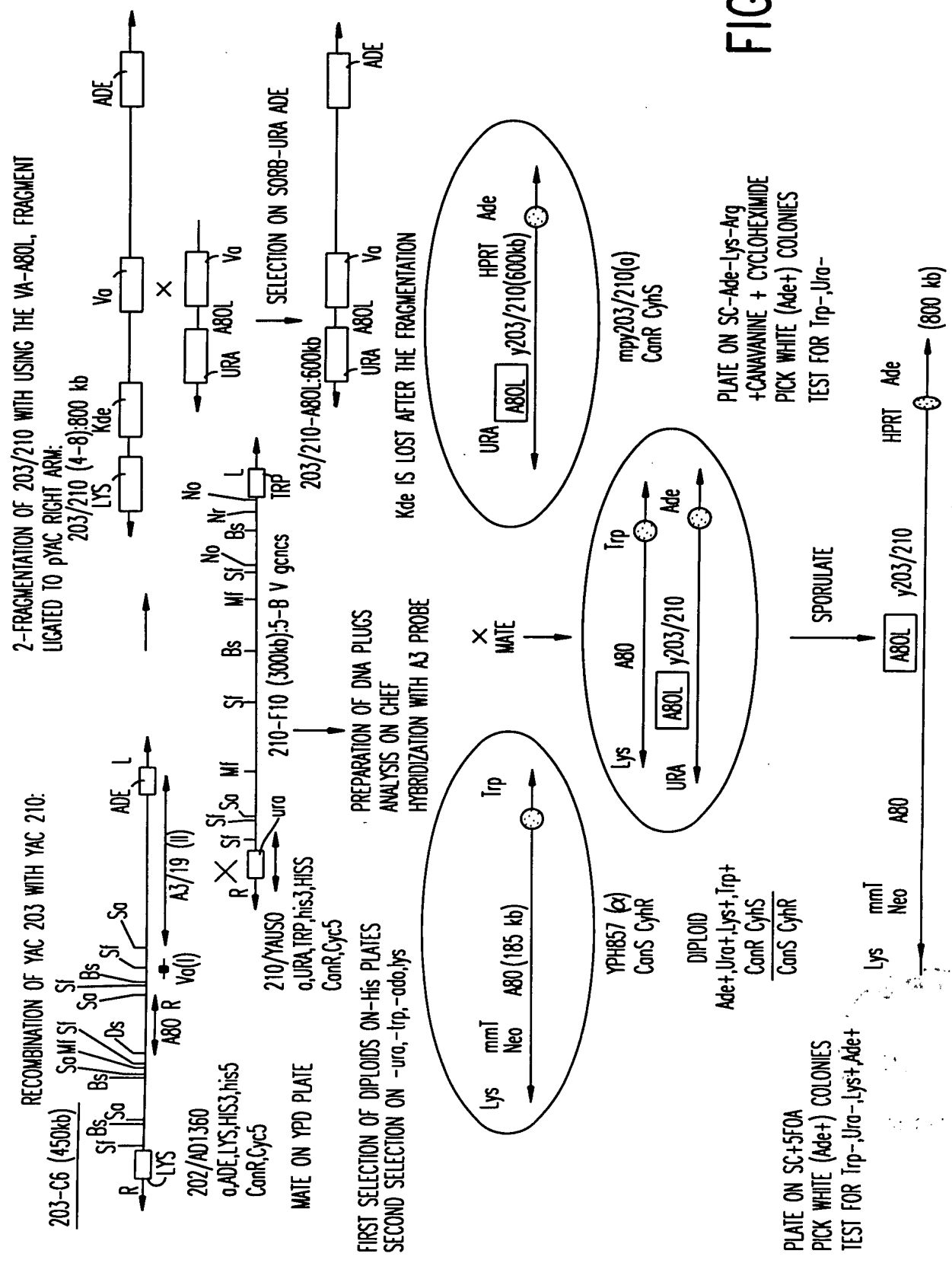


FIG. 2

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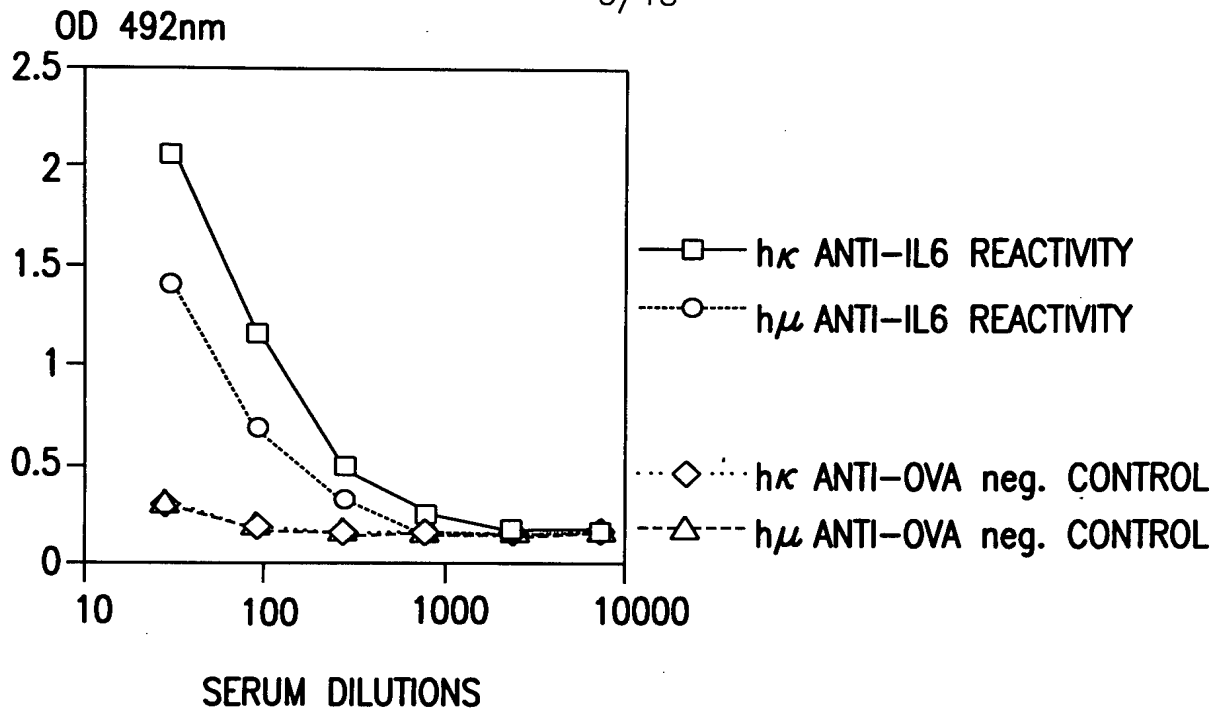


FIG.3

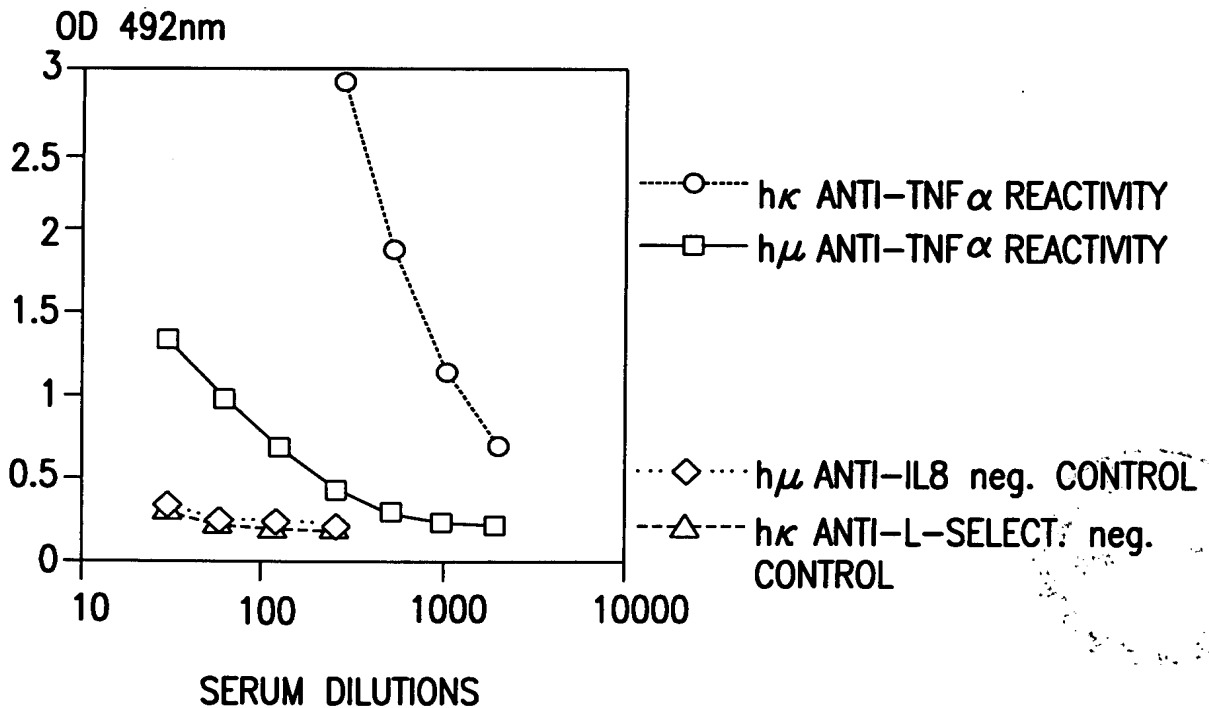


FIG.4

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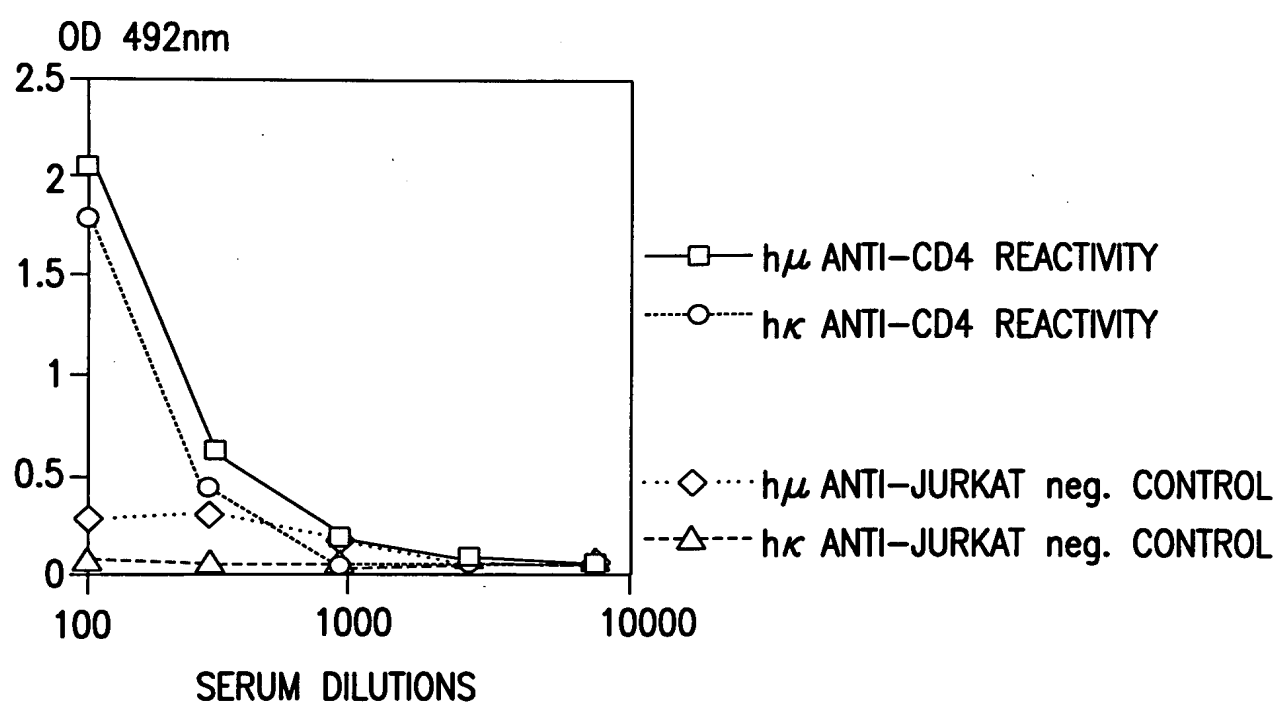


FIG.5

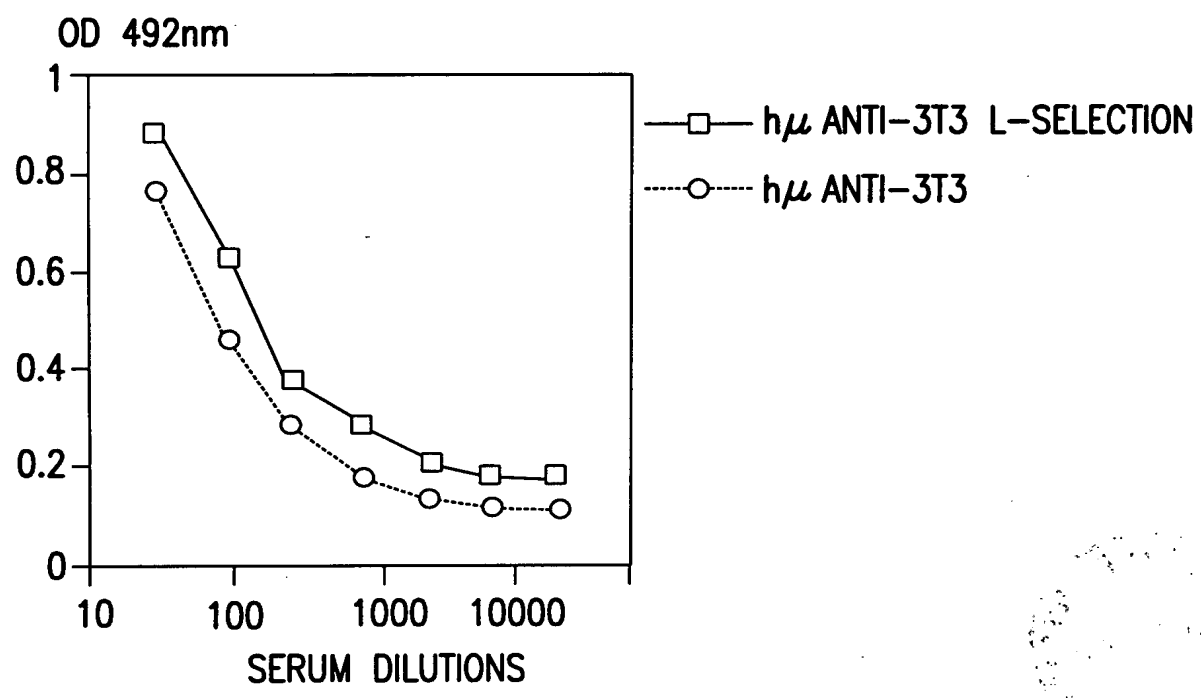


FIG.6

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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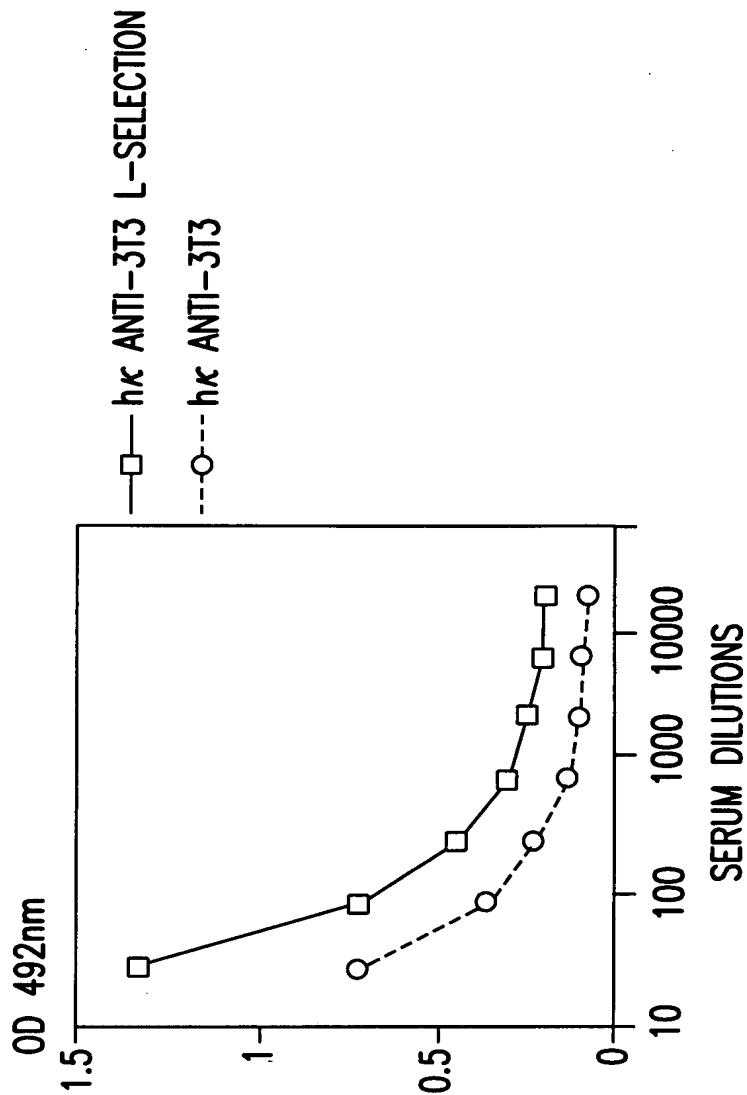


FIG.7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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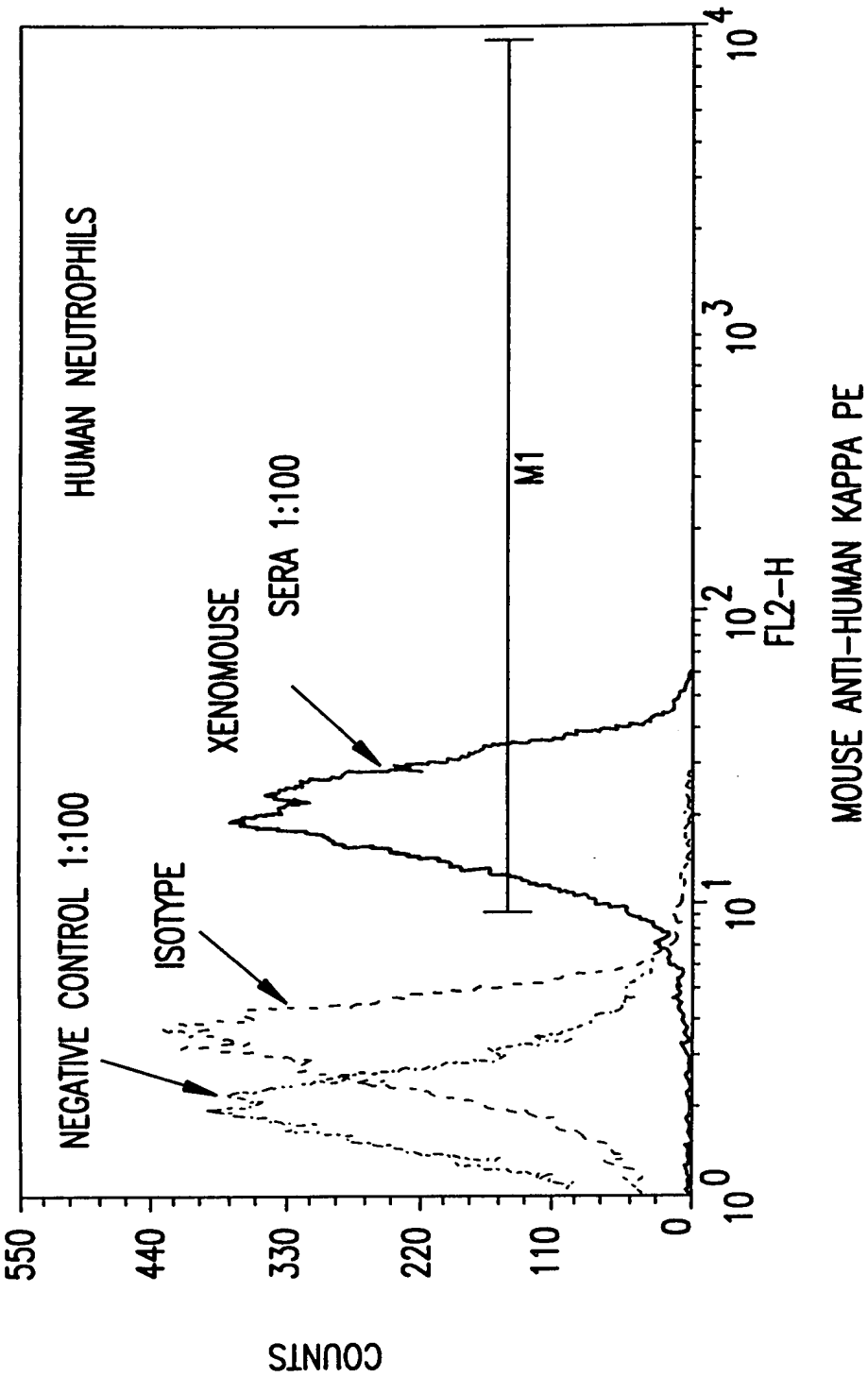


FIG.8

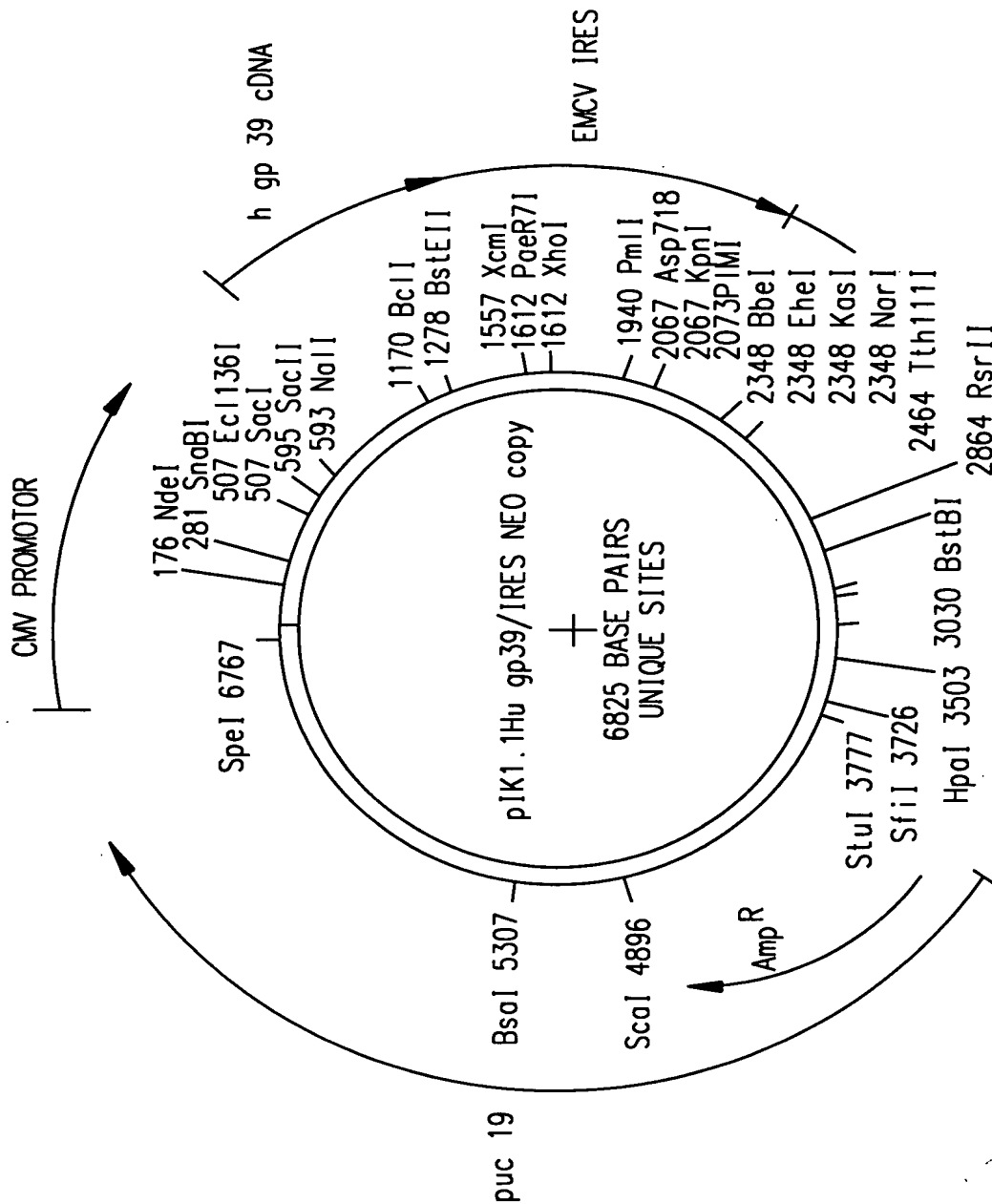


FIG.9

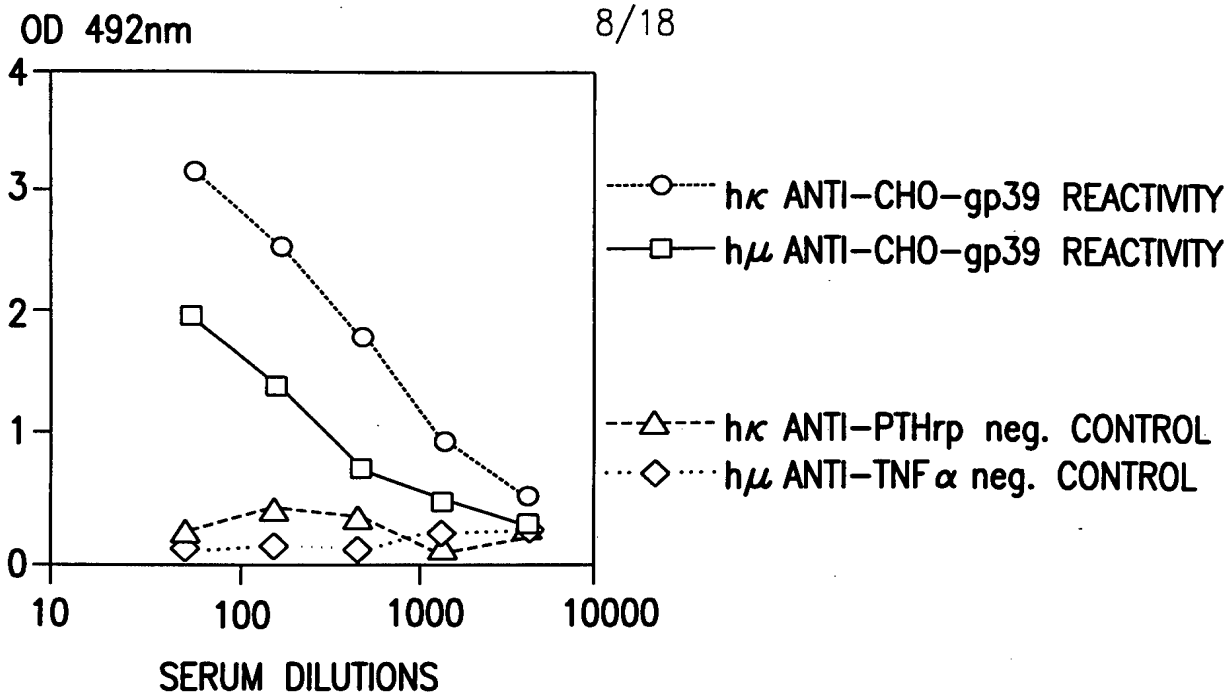


FIG.10

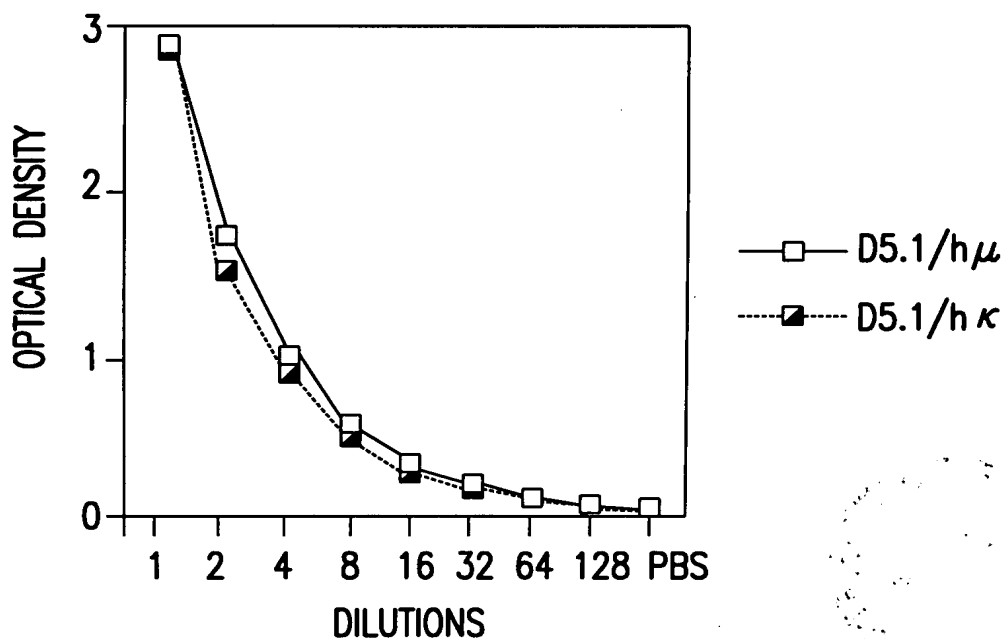


FIG.11

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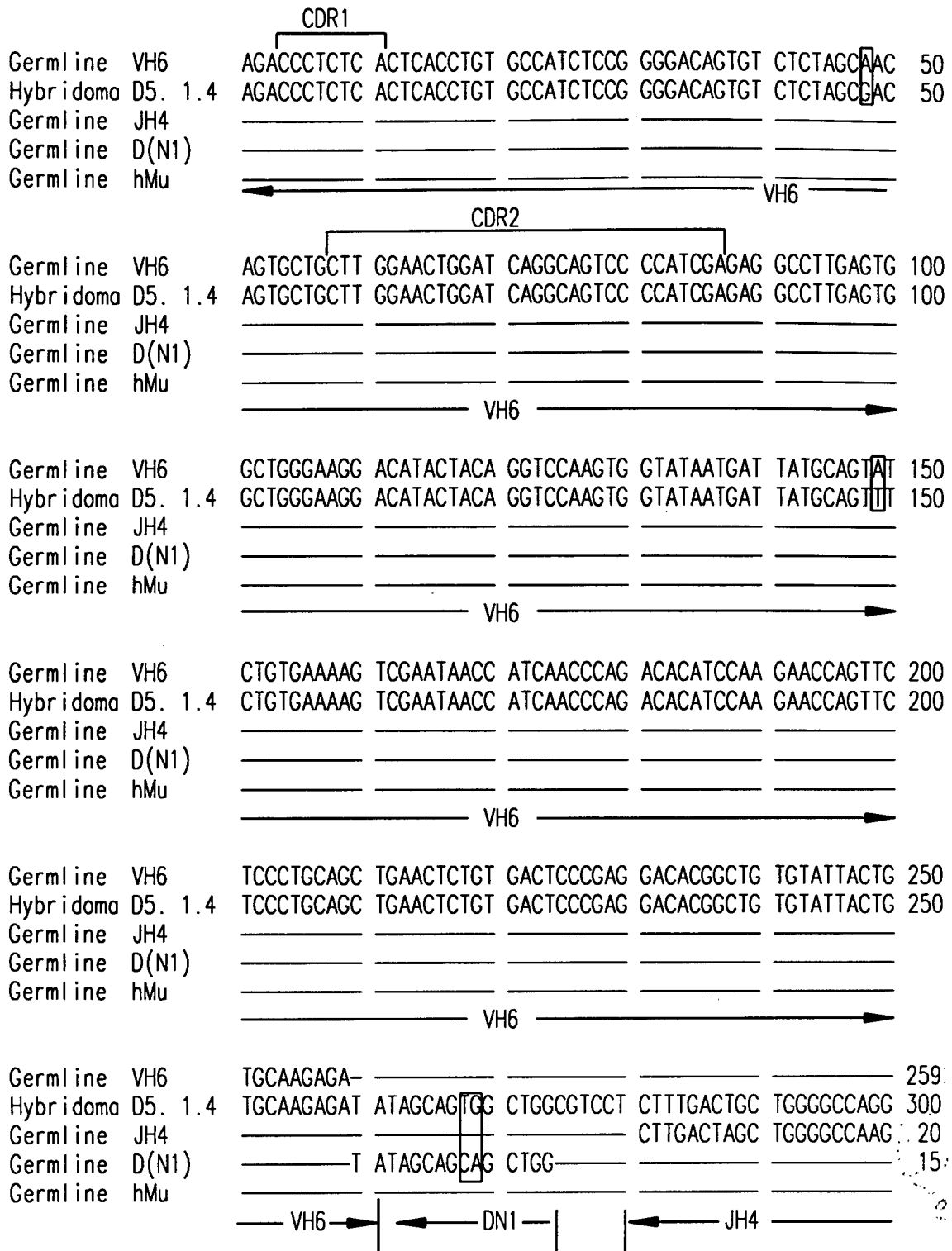


FIG.12A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Germline	VH6	_____	_____	_____	_____	_____	259
Hybridoma	D5. 1.4	GAACCTGGT	CACCGTCTCC	TCAGGGAGTG	CATCCGCCCC	AACCCTTTTC	350
Germline	JH4	GAACCTGGT	CACCGTCTCC	TCA_____	_____	_____	43
Germline	D(N1)	_____	_____	_____	_____	_____	15
Germline	hMu	_____	_____	GGGAGTG	CATCCGCCCC	AACCCTTTTC	27
		_____ JH4 _____		▶ ◀	_____ hμ _____		

Germline	VH6	_____	_____	_____	_____	_____	259
Hybridoma	D5. 1.4	CCCCTCGTCT	CCTGTGAGAA	TTCCCCGTCTG	GATACGAGCA	GCGTGGCCGT	400
Germline	JH4	_____	_____	_____	_____	_____	43
Germline	D(N1)	_____	_____	_____	_____	_____	15
Germline	hMu	CCCCTCGTCT	CCTGTGAGAA	TTCCCCGTCTG	GATACGAGCA	GCGTGGCCGT	77
		_____	_____	hμ	_____	_____	

FIG.12B



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Germline B3	GACATCGTGA	TGACCCAGTC	TCCAGACTCC	CTGGCTGTGT	CTCTGGGCGA
Hybridoma D5 1.4	_____	_____	_____	_____	_____
Germline JK3	_____	_____	_____	_____	_____
Germline CK	_____	_____	_____	_____	_____

		CDR1			
Germline B3	GAGGGCCACC	ATCAACTGCA	AGTCCAGCCA	GAGTGTTTTA	TACAGCTCCA
Hybridoma D5 1.4	_____ACC	ATCAAGTCCA	AGTCCAGCCA	GAGTGTTTTG	TACACTTCCA
Germline JK3	_____	_____	_____	_____	_____
Germline CK	_____	_____	_____	_____	_____

← B3 →

Germline B3	ACAATAAGAA	CTACTTAGCT	TGGTACCAGC	AGAAACCAGG	ACAGCCTCCT
Hybridoma D5 1.4	_____CAATAAGAA	CTACTTAGCT	TGGTACCAGC	AGAAACCAGG	ACAGCCTCCT
Germline JK3	_____	_____	_____	_____	_____
Germline CK	_____	_____	_____	_____	_____

B3 →

		CDR2			
Germline B3	AAGCTGCTCA	TTTACTGGGC	ATCTACCCGG	GAATCCGGGG	TCCCTGACCG
Hybridoma D5 1.4	_____AAGCTGCTCA	TTTACTGGGC	ATCTACCCGG	GAATCCGGGG	TCCCTGACCG
Germline JK3	_____	_____	_____	_____	_____
Germline CK	_____	_____	_____	_____	_____

B3 →

Germline B3	ATTCAGTGGC	AGCGGGTCTG	GGACAGATTT	CACTCTCACC	ATGACGAGCC
Hybridoma D5 1.4	_____ATTCAGTGGC	AGCGGGTCTG	GGACAGATTT	CACTCTCACC	ATGACGAGCC
Germline JK3	_____	_____	_____	_____	_____
Germline CK	_____	_____	_____	_____	_____

B3 →

Germline B3	TGCAGGCTGA	AGATGTGGCA	GTTTATTACT	GTCAGCAATA	TTATACTATT
Hybridoma D5 1.4	_____TGCAGGCTGA	AGATGTGGCA	GTTTATTACT	GTCAGCAATA	TTATACTATT
Germline JK3	_____	_____	_____	_____	_____
Germline CK	_____	_____	_____	_____	_____

B3 →

Germline B3	CC	_____	_____	_____	_____
Hybridoma D5 1.4	_____CCATTCAATT	TCGGCCCTGG	GACCAGAGTG	GATATCAAAC	GAAGTGTGGC
Germline JK3	_____ATTCATT	TCGGCCCTGG	GACCAAAGTG	GATATCAAAC	_____
Germline CK	_____	_____	_____	_____	GAAGTGTGGC

← JK3 → ← CK →

FIG.13A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Germline B3	_____	_____	_____	_____	_____
Hybridoma D5 1.4	TGCACCATCT	GTCTTCATCT	TCCCGCCATC	TGATGAGCAG	TTGAAATCTG
Germline JK3	_____	_____	_____	_____	_____
Germline CK	TGCACCATCT	GTCTTCATCT	TCCCGCCATC	TGATGAGCAG	TTGAAATCTG
	_____ CK _____ →				

Germline B3	_____	_____	_____	_____	_____
Hybridoma D5 1.4	GAACTGCCTC	TGTTGTGTGC	CTGCTGAATA	ACTTCTATCC	CAGAGAGGCC
Germline JK3	_____	_____	_____	_____	_____
Germline CK	GAACTGCCTC	TGTTGTGTGC	CTGCTGAATA	ACTTCTATCC	CAGAGAGGCC
	_____ CK _____ →				

Germline B3	_____	_____	_____	_____	_____
Hybridoma D5 1.4	AAAGTACAGT	GGAAGGTGGA	TAACGCCCTC	CAATCGGGTT	GGGGA AAAA
Germline JK3	_____	_____	_____	_____	_____
Germline CK	AAAGTACAGT	GGAAGGTGGA	TAACGCCCTC	CAATCGGGT-	_____
	_____ CK _____ →				

FIG.13B



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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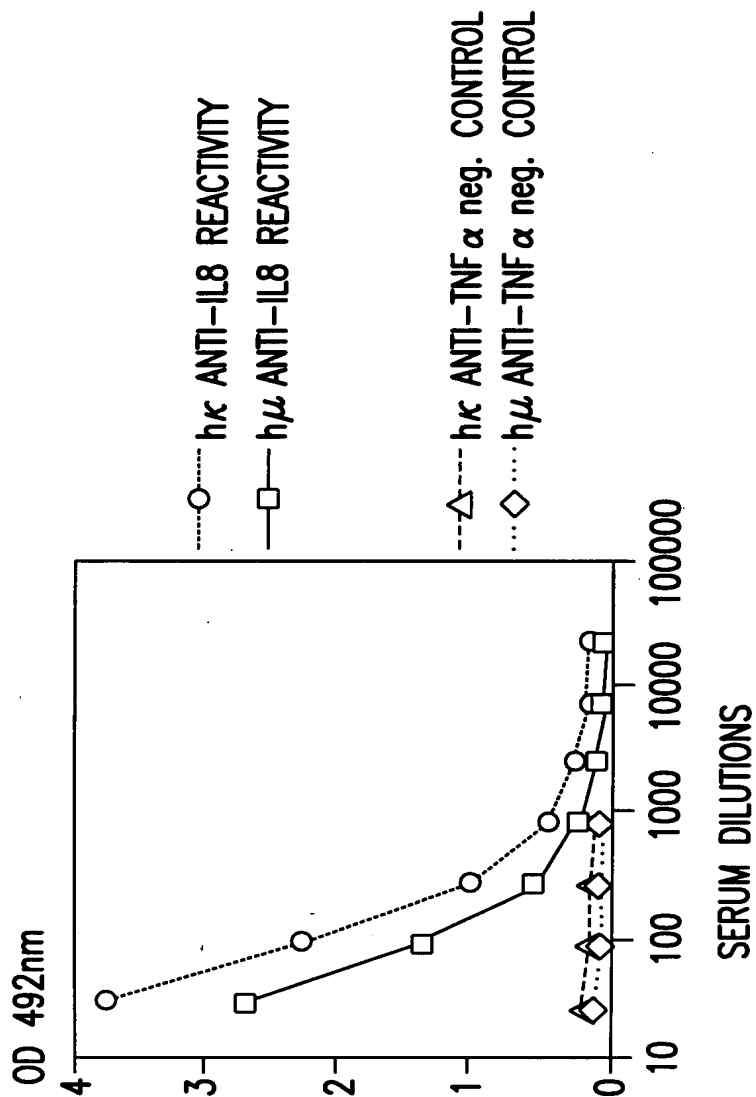


FIG.14

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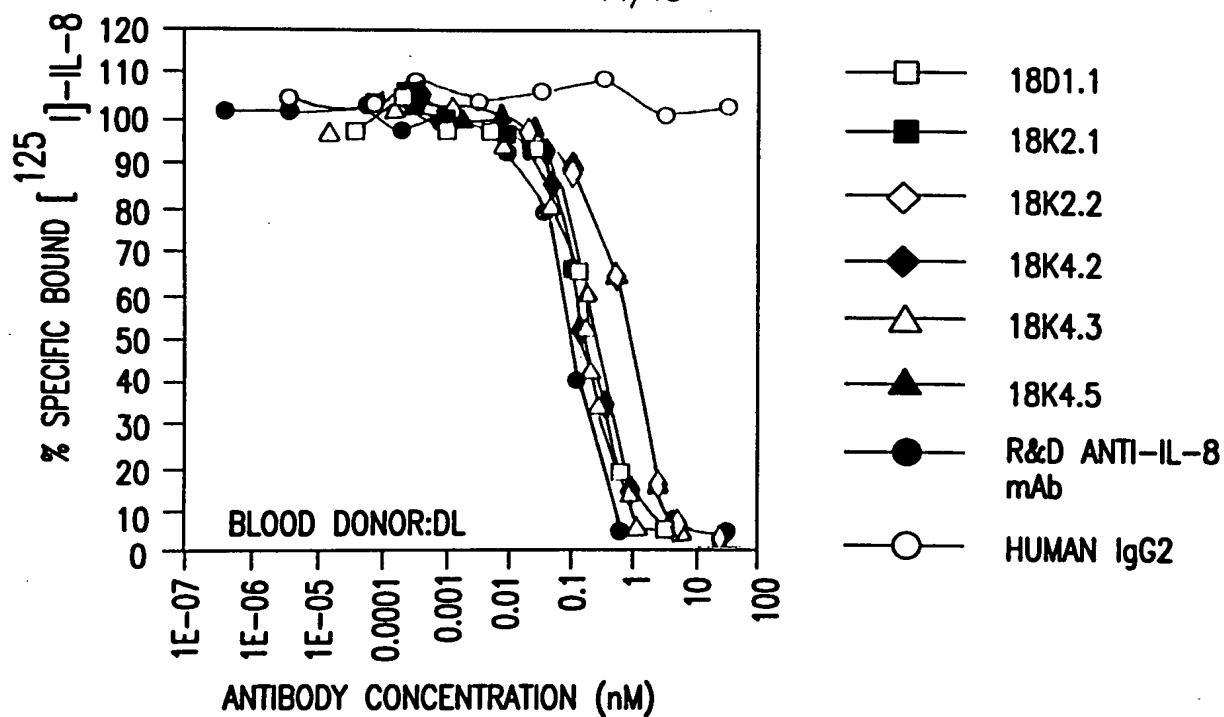


FIG. 15A

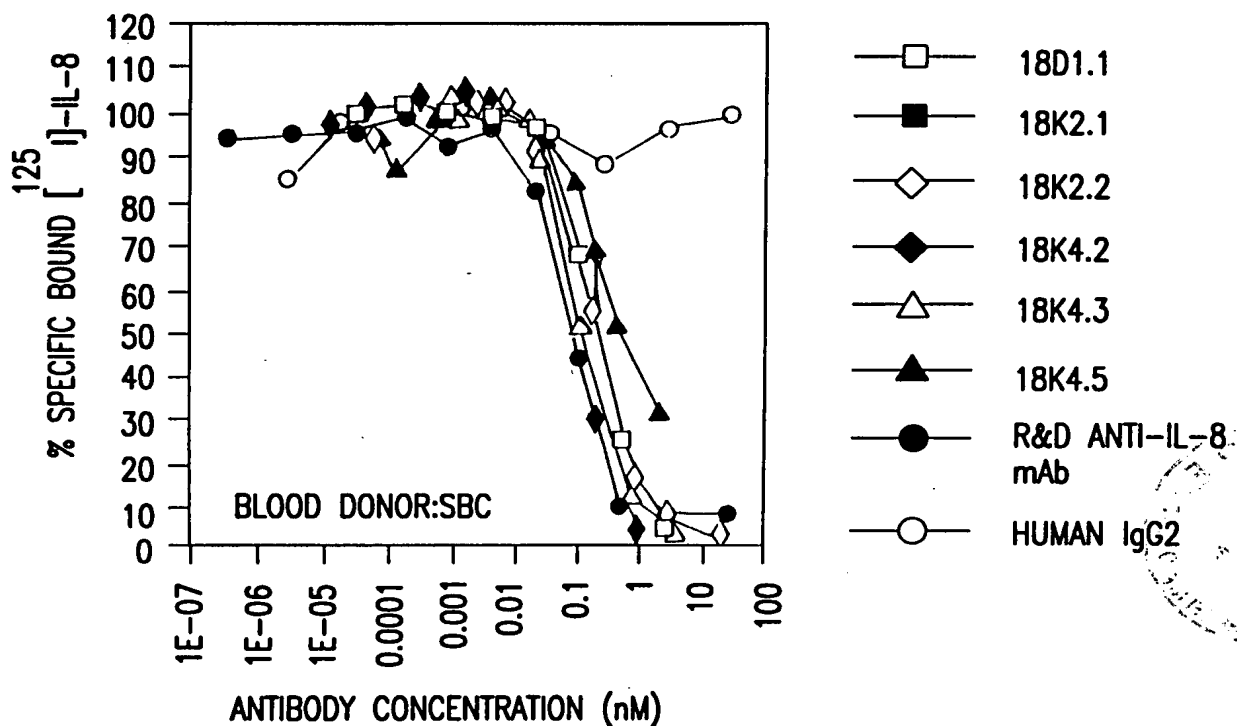


FIG. 15B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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[CCTGTCCCTCACCTGCGCTGTCTATGGTGGGTCTTCAGTGGTTACTACTGGAGCTGGATCCGCC
AGCCCCCAGGGAAGGGACTGGAGTGGATTGGGGAAATCAATCAAAGTGGAAGCACCAATTACAA
CCCGTCCCTCAAGAGTCGAGTCATCATATCAATAGACACGTCCAAGACCCAGTTCTCCCTGAAGT
TGAGCTCTGTGACCGCCGCGGACACGGCTGTGTATTACTGTGCGAGAGA][GACTCCCC][ATGCT
TTTGATATCTGGGGCCAAGGGACAATGGTCACCGTCTCTTCAG]CCTCCACCAAGGGCCCATCGG
TCTTCCCCCTGGCGCCCTGCTCCAGGAGCACCTCCGAGAGCACAGC(GC)GCCCTGGGCTGCCTG
GTCAAGGACTACTTCC

FIG. 16A

[CAGTCTCCATCCTCCCTGTCTGCATCTGTAGGCGACAGAGTCACCATCACTTGCCAGGCGAGTC
AGGACATTAGTAAGTTTTTAAGTTGGTTTCAACAGAAACCAGGGAAAGCCCCCTAAACTCCTGATC
TACGGTACATCCTATTTGGAAACCGGGGTCCCATCAAGTTTCAGTGGAAGTGGATCTGGGACAGA
TTTTACTCTCACCATCAGCAGCCTGCAGCCTGAAGATGTTGCAACATATTTCTGTAACAGNATG
ATGATCTCCC][ATACACTTTTCGGCCCTGGGACCAAAGTGGATATCAAAC]GAACTGTGGCTGCAC
CATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTGAAATCTGGAAGTGCCTCTGTTGTGTGCC
TGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGGATAACGCCC

FIG. 16B



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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[AGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTACCTTCAGTAGCTATGGCATGCACTGGNT
 CCGCCAGGCTCCAGGCAAGGGGCTGGAGTGGGTGGCAGAAATATCATATGATGGAAGTAATAAA
 TACTATGTAGACTCCGTGAAGGGCCGACTCACCATCTCCAGAGACAATTCCAAGAACACGCTGT
 ATCTGCAAATGAACAGCCTGAGAGCTGAGGACACGGCTGTGTATTACTGTGCGAGAGA][CCGAC
 TGGGGAT][CTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG]CCTCCACCAAGG
 GCCCATCGGTCTTCCCCCTGGCGCCCTGCTCCAGGAGCACCTCCGAGAGCACAGC(GC)GGCCCT
 GGGCTGCCTGGTCCAAGGACTACTTCCCCCGAACCGGTGACGGTGTCTGTGGAAGTCAAGGCGCTC
 TGACCAG

FIG. 16C

[CTGACNCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACCATCAACTGCAAGT
 CCAGCCAGAGTGTTTTATACATCTCCAACAATAAACTACTTAGCTTGGTACCAGCAGAAACCA
 GGACAGTCTCCTAAACTGCTCATTTACTGGGCATCTACCCGGAAATCCGGGGTCCCTGACCGATT
 CAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGATGTG
 GCAGTTTATTACTGTCAACAGTATTATGATACTCC][ATTCACTTTCGGCCCTGGGACCAAAGTGG
 ATATCAAAC]GAACTGTGGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTGAAA
 TCTGGAAGTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTG
 GAAGGTGGNTAACGCCCCA

FIG. 16D



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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[TCCCTCACCTGCGCTGTCTATGGTGGGTCCCTCAGTGGTTACTACTGGACCTGGATCCGCCAGCC
 CCCAGGGAAGGGGCTGGAGTGGATTGGGGAAATCATTTCATCATGGAAACACCAACTACAACCCG
 TCCCTCAAGAGTCGAGTCTCCATATCAGTTGACACGTCCAAGAACCAGTTCTCCCTGACACTGAG
 CTCTGTGACCGCCGCGGACACGGCTGTGTATTACTGTGCGAGAGG][GGGAGCAGTGGCTGCG][T
 TTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG]CCTCCACCAAGGGCCCATCGGT
 CTTCCCCCTGGCGCCCTGCTCCAGGAGCACCTCCGAGAGCACAGC(GC)GGCCCTGGGCTGCCTG
 GTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCTGTGGAACCTCAGGCGCTCTGACCAGCGGC
 GTGCACACCTTCCCA

FIG. 16E

[TGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACCATCACTTGCCAGGC
 GAGTCAGGACATTAGTAACTATTTAAATTGGTATCAACAGAAAGCAGGGAAAGCCCCTAAGGTCC
 TGATCTACGCTGCATCCAATTTGGAAGCAGGGGTCCCATCAAGGTTCAGTGGAAGTGGATCTGGG
 ACAGATTTTACTTTACCATCAGCAGCCTGCAGCCTGAAGATATTGCAACATATTATTGTCAACA
 CTATGATAATCT]A[CTCACTTTTCGGCGGAGGGACCAAGGTAGAGATCAAAC]GAACTGTGGCTGC
 ACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTGAAATCTGGACTGCCTCTGTTGTGTG
 CCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTGGAAGGTGG

FIG. 16F



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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AGTCTCTGAAGATCTCCTGTAAGGGTTCTGGATACAGCTTTACCAGCTACTGGATCGGCTGGGTG
CGCCAGATGCCCCGGGAAAGGCCTGGAGTGGATGGGGATCATCTATCCTGGTGACTCTGATACCA
GATACAGCCCGTCCTTCCAAGGCCAGGTCACCATCTCAGCCGACAAGTCCATCAGCACCGCCTA
CCTGCAGTGGAGCAGCCTGAAGGCCTCGGACACCGCCATGTATTACTGTGCGAGACA][GGACGG
TG][ACTCCTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCAG]CCTCCACCAAGGG
CCCATCGGTCTTCCCCCTGGCGCCCTGCTCCAGGAGCACCTCCGAGAGCACAGC(GC)GGCCCTG
GGCTGCCTGGTCCAAGGACTACTTCCCCGAACCGGTGACGGTGTGCTGGAACCTCAGGCGCTCT
GACCAGCGGCGTGACACCTTCCCACTGCCA

FIG. 16G

TGTCTGCATCTATTGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGAGCATTAGCAACTA
TTTAAATTGGTATCAGCAGAAACCAGGGCAAAGCCCCTAAGTTCCTGATCTATGGTGCATCCAGT
TTGGAAAGTGGGGTCCCATCANGGTTAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCAT
CAGCAGCCTGCAACCTGNGGATTTTGCAACTTACTACTGTCAACAGAGTTACAGTAACCC]T[CTC
ACTTTCGGCGGNGGGACCAANGTGGAGATCAAAC]GAACTGTGGCTGCACCATCTGTCTTCATCT
TCCCGCCATCTGATGAGCAGTTGAAATCTGGAACCTGCCTCTGTTGTGTGCCTGCTGAATAACTTCT
ATCCCAGAGAGGCCAAAGTACA

FIG. 16H

